TOSHIBA
Leading Innovation

Windows®. Life without Walls™. Toshiba recommends Windows 7.

TECRA™ R850-003

Model: [i]
Tecra R850 PT520C-003002

- 2nd Generation Intel® Core™ i5-2520M vPro™ processor – 2.50GHz/3.20GHz, Genuine Windows® 7 Professional, 15.6" HD TFT, 4GB DDR3, 320GB HDD S-ATA, AMD Radeon™ HD 6450M, DVD Super-Multi Double Layer, LAN, 802.11agn Wireless, Bluetooth

Processor

2nd Generation Intel® Core™ i5-2520M vPro™ processor (2.50GHz/3.20Ghz, 3MB Intel® Smart Cache) with Intel® Turbo Boost Technology 2.0, Intel® Hyper-Threading Technology and Intel® Virtualization Technology.

Operating System

Genuine Windows® 7 Professional

Memory

Standard Memory: 4GB DDR3 (1333MHz)
Slot1: 4GB DDR3 (1333MHz)
Slot2: None
Maximum Memory: 8GB DDR3
Expansion Modules: 1GB, 2GB, or 4GB DDR3

Hard Disk Drive

320GB (7200 RPM); Serial-ATA hard disk drive

Optical Drive

Built-in DVD Super-Multi Double Layer Drive functions:
Read: CD-ROM (24x), DVD-ROM (8x),
Write: CD-R (24x), CD-RW (4x), DVD-R (8x), DVD-R DL (6x), DVD-RW (6x), DVD+R (8x), DVD+R DL (6x) DVD+RW (8x), DVD-RAM (5x)

Display System

Type: 16:9 TFT Active Matrix colour LCD display with LED backlight
Size (diagonal): 15.6" HD
Native LCD Panel Resolution: 1366x768x16.7 million colours
External Support and Max. Colour Support (dependant on CRT): Up to 2,048 x 1536 x 16.7 million colours

Graphics Controller

AMD Radeon™ HD 6450M
Video Memory: 1GB dedicated VRAM
up to 2296MB (32bit OS) or up to 2792MB (64bit OS) dynamically allocated shared graphics memory with 4GB of system memory.

Sound System

Realtek ALC268-GR Software Sound, High Definition Audio Link, Built-in stereo speakers

Communication

10/100/1000bps Integrated Ethernet LAN + AMT 7.0 (Wake on Lan)
Intel 802.11 a/g/n Wireless LAN
Integrated Web Camera (w/ Built-in Mic)
Bluetooth v3.0+HS

Expansion

1 Express Card Slot

Ports: Bridge Media adaptor (Secure Digital, Memory Stick™, Memory Stick PRO™, MultiMedia Card, xD Picture Card), RGB, 2 x USB2.0, 1 x eSATA/USB2.0, 1 x USB3.0, RJ45 (LAN), Headphone, Microphone, Display Port, Docking Connector
Supported via Toshiba Hi-Speed Port Replicator II: USB2.0 x 4, USB3.0 x 2, 10M/100M/1000M Gigabit LAN x1, VGA x1, Headphone, Microphone, Serial x1, Display Port x 1, HDMI x 1
Supported via Dynadock U: DVI-D x1, Audio In/Out, 4 USB 2.0
Supported via Dynadock V: DVI-D x1, VGA, Audio In/Out, Digital Audio, 6 USB 2.0

Keyboard

Canadian Bilingual (English/French) Keyboard
Full sized 101 keys with 13 function keys
Spill Resistant keyboard
Color: (Black)

Pointing Device

Dual Accupoint and Touchpad with Scroll function

Additional Software

Toshiba ConfigFree™
Adobe Acrobat Reader
TOSHIBA Disc Creator
Norton Internet Security™ – trial
Microsoft® Office Starter 2010 includes reduced-functionality versions of Word® and Excel® only, with advertising

Physical Dimensions

Dimensions: (WxDxH) 379 x 252 x 20.8/30.4 mm
Weight: 2.40kg (5.29 lbs)
Color: Black

AC Adapter

75W external Universal AC adaptor input voltage (100 –240V 50/60Hz frequency), (19Vx3.95A)
Dimensions: 107.0 (W) x 30.5 (H) x 47.0 (D) mm
Weight: 310g

Battery

Battery Type: Removable, Rechargeable 6-cell Lithium Ion (Li-ion) 10.8V x 66 Wh capacity
Battery life: up to 8 hours (Mobile Mark)
Dimensions: (WxHxD) 269.0 x 47.0 x 26.0 mm

BIOS

TSETUP support, ACPI support, VESA support, SM BIOS support, PCI BIOS Support, Computrace BIOS Support, WMI Support, Panel Open-Power On

TOSHIBA EasyGuard™

Secure
Toshiba Multiple Level Password Utilities
Toshiba Reinforced Security Cable Lock Slot
Execute Disable Bit (XD-Bit)
Trusted Platform Module (TPM v1.2)
BIOS BitLocker Drive Encryption Support
Fingerprint Reader (includes software for password and identity management)
BIOS Computrace™ Support

Protect
Toshiba Spill-resistant Keyboard
Toshiba Shock Absorbing Design
Toshiba Hard Disk Drive Protection
HDD Shock Absorber
HDD Impact Sensor
Toshiba PC Diagnostic Tool
Toshiba PC Health Monitor

Connect
Toshiba ConfigFree™
Toshiba Diversity Antenna
Toshiba Bluetooth® Stack
Wireless Communication On/Off

Optimize
Toshiba Device Access Control
Toshiba Presentation Button
Toshiba Zooming Utility
Toshiba Power Saver Utility
Toshiba Eco Utility
Toshiba Assist

Environmental Specifications

Temperature: Operating 5°to 35°C (41° to 95°F);
Non Operating –20° to 65°C (-4° to 149°F)
Thermal Gradient: Operating 15° C per hr. max;
Non Operating 20° C per hr. max
Relative Humidity: Operating 20% to 80% non-condensing;
Non-Operating: 10% to 90% non-condensing
Altitude (relative to sea level): Operating: -60 to 3,000m.;
Non-Operating: -60 to 10,000m.
Shock: Operating: 10G; Non-Operating 60G
Vibration: Operating 0.5G, 0.25G; Non-Operating: 1G

Environmental Credentials

Energy Star 5.0
RoHS
EPEAT Gold

Canada and International Limited Warranty

This Tecra notebook comes with a three (3) year parts and labour Limited International Warranty. Note the original battery is warranted for one year from date of purchase. Pre-installed software is excluded form TCL standard limited warranty. For complete details on this warranty program and other Warranty Programs such as On-site and Next Business Day Service visit www.toshiba.ca/warranty

Accessories

PA3714C-1AC3 Universal AC Adaptor
PA3916C-1PRP Hi-Speed Port Replicator 2
PA3905U-1BRS 6 Cell Battery Pack

PA3918U-1M2G DDR3-1333 2GB Memory Module
PA3918U-1M4G DDR3-1333 4GB Memory Module

Part Number/UPC code

PT520C-003002 / 6-23506-02903-2

[i]Toshiba of Canada Limited Information Systems Group shall not be liable for damages of any kind for use of this information, which is subject to change without notice.

Central Processing Unit ("CPU" Performance Disclaimer:
CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95°F) or > 25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration. Under some conditions, your computer product may automatically shutdown. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Support for more information.

Hard Disk Drive Disclaimer: 1 Gigabyte (GB) means 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

GPU: Graphics processor unit ("GPU") performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

Memory: Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. For PC's configured with 4 GB of system memory, the full system memory space for computing activities will be considerably less and will vary by model and system configuration.

TFT Display Disclaimer: Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

LCD: Over a period of time, and depending on the usage of the computer, the brightness of the LCD screen will deteriorate. This is an intrinsic characteristic of LCD technology. Maximum brightness is only available when operating in AC power mode. Screen will dim when the computer is operated on battery power and you may not be able to increase the brightness of the screen.

Weight: Weight may vary depending on actual configuration.

Battery: Battery life may vary considerably depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. Published battery life numbers are achieved on select models and configurations tested by Toshiba at the time of publication. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba of Canada website at toshiba.ca/accessories

Software: The included additional software is subject to change without notice. No substitution of software permitted. For further information please visit toshiba.ca/support

Subject to Change:
While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's website at toshiba.ca/support